FAR Laboratories

2011 Catalog

Complete Observing Systems, Mounting Systems, Piers,

Quick Mounting Systems, Eyepiece holders and Eyepieces, Electronics, Computers, Telescopes, Spotting Scopes, Cameras, and other instruments.

Made from Stainless Steel for
Permanent all weather outdoor installation

www.FARLaboratories.com

ALL YOU ADD IS THE SKY!
FAR
LABORATORIES

Most of the products in the catalog are our own designs, and are either made by us or exclusively for us. They are designed to be set up permanently and left out in the weather. This way you only have to set them up once. I use stainless steel, a high strength, rust proof and non-magnetic metal alloy, because it allows you to make parts smaller and lighter and that are immune to the elements. Most components are available in a natural brushed finish or textured black powder coat over the stainless steel. Pictures of some of the black parts are not shown, as they do not photograph well and you can not see all the details. I also offer some interesting accessories. I take all of these components and assemble complete observing systems tailored to my clients' needs. Thus my slogan "*All you add is the sky*!" I also sell components and kits for people who want to do it themselves. We are also a TeleVue, Nikon, Canon, Acer and Orion dealer; so if you want a system or components, please contact us so that we can discuss your needs. Why have to deal with different companies, when you can have it tailor made by one company. Please visit our web site at www.FARLaboratories.com to find a PDF color copy of our latest catalog, new products and other useful information.

I am always interested in other people's stories and ideas, so please feel free to contact me.

Alan Rifkin

Email: Alan@Rifkin.com

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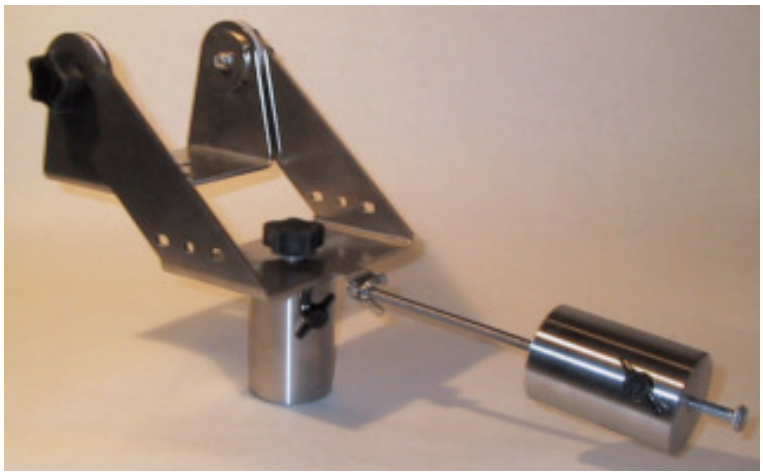
FAR Laboratories
FAR@Rifkin.com
www.FARLaboratories.com

P. O. Box 25
South Hadley, MA 01075-0025
800.336.9054 Fax 413.467.9393

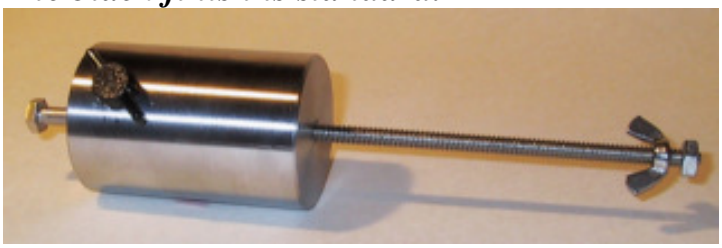
Dyna Cradle Model DC-100

The DC-100 is for holding small Telescopes and Spotting Scopes up to 80 mm, with extra room for mounting rings (100mm or 4"). It is an Alt-Az (Altitude- Azimuth) design with a range of motion from the zenith to below the horizon.
Its solid stainless steel and Teflon construction makes it virtually immune to the weather and is designed for permanent outdoor installation. Teflon disk bearings give it silky smooth operation. It can be mounted on a regular photographic (1/4-20) tripod, a Post Pod, or Dyna Rail, and most Astro Tripods that use a single bolt, like the Super Polaris. With the Dyna Rail it makes a wonderful addition to any deck or balcony. Also available is a handle for easier control. Also the DC-100 SL, using a shorter, lighter riser, and the DC-100 L, a locked version where the screws are locked, so that it cannot be taken apart, used in museums and other public locations.

Ask about specials on complete kits with Dyna Rails and Scopes.



Please note, some photos are without the black powder coat finish to show the details. Black does not photograph well. The black finish is standard.



If you need to balance on a tripod an optional 2.5 pound counterweight with a 2 to 1 arm can be added. DC-WT $49.95
This can balance a five pound scope.

Here is a TeleVue Pronto mounted on a DC-100 / Dyna Rail combination.
A great way to view from your deck.

The DC-100 is made of solid stainless steel and Teflon. How do you clean your Pod? Just take out the garden hose and wash it off. Remember to remove your scope first.

DC-100 $259.95
DC-100-SL $255.95
DC-100-L $269.95

Dyna Pod II-18
Tripod System

The Dyna Pod is a type of tripod based on R. Buckminster Fuller's Tensegrity design, in that is uses tension to give it it's strength and light weight.
It is designed to be portable, and used where you would not even consider a regualr tripod- UNDER WATER!
It can also be left out on a mountain top for years without being affected by the elements.

It is made of (ISOFR Isophthalic Polyester) Resin glass fiber pipe, which is almost as strong as carbon fiber pipe:, and almost as lightweight as carbon fiber, but lower in cost. Stainless steel cables and hardware, platinum silicon and Polypropylene fittings and two aluminum couplings. The Dyna Pod II-18 can be ordered with optional stainless coupling, at added cost and weight)

available Soon

Specifications

Weight- 3 pounds 5 ounces (about the same weight as a 1.5 liter water botle)
Height at mounting stud- 47.25"
Temperature range -50 to 212 degree Fahrenheit (-48 to 100 Celsius; you can use it in boiling water)
UV Resistance- High
Chemical resistance-
Salt water- no effect (you can use it underwater- the legs can also be filled with ballast for better support and buoyancy)
Organic solvents- good, but test before use.
Acid or caustic exposure- good except for two aluminum couplings that can be replaced with stainless steel ones
Flammability- self extinguishing
Carrying weight- 12 to 50 pounds. (the amount of weight it can carry is based on the level of rigidity you need)
Attachment method- 1/4-20 stud on a 3" round disk
Visual and wind silhouette- Low

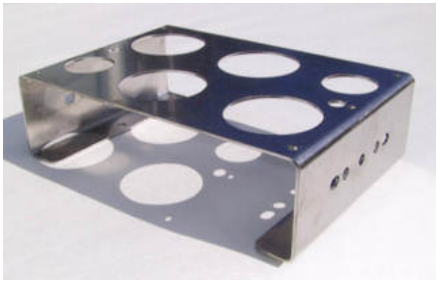
The DynaPod disassembles to 8 parts. The largest part is 18" long. While it is disassembled, it is virtually indestructible. For ease of backpacking you can put the parts in different places, no need for padded compartments.

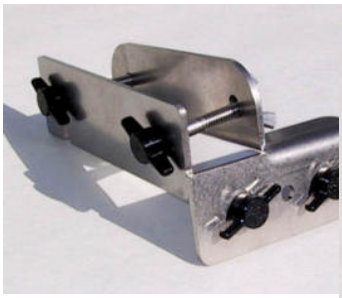
Parts list-
Mast section #1 18" x 1"
(4) legs 18"x1"
Head Assembly 3" Diameter
Hub 2" Diameter
Cable harness
Nylon carrying bag

(Dyna Pod II-18 is the one on the right)

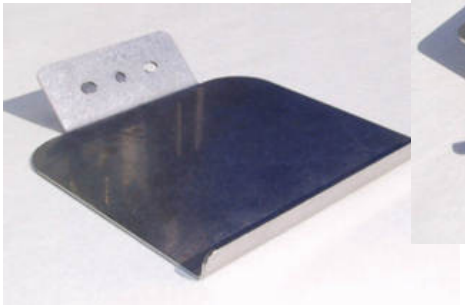
Three Hole Modular Systems

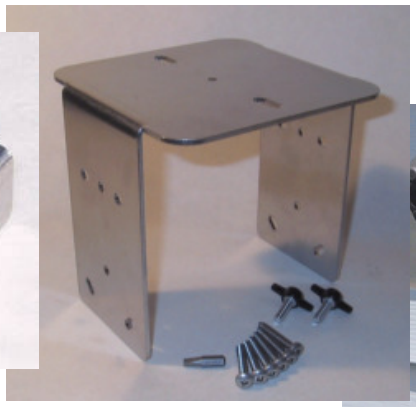
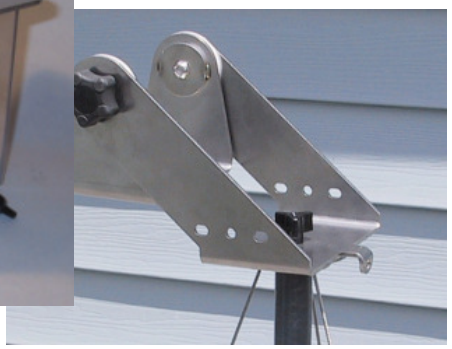
Most of our products have a series of three holes on their sides.
It is actually two slots and a center hole.





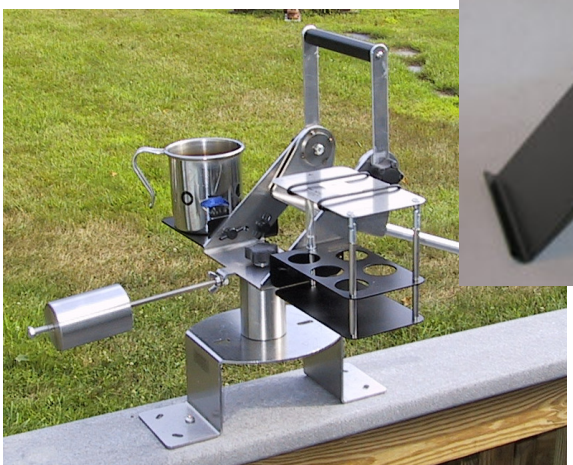
So take our parts and put them together the way you want.
They connect by bolting together with ¼-20 thumb screws.
If one Eye Piece Pod is not big enough, bolt two or more together.



Infinite Diversity in Infinite Combinations

Think of them as Stainless Steel LEGO Bricks!
They can also interface with other manufactureres' products.



FAR Laboratories 2009

Piece Pod (Eyepiece Holders)

The Piece Pods are our family of all-weather eyepiece holders.
Piece Pods Type 1 and 2 hold up to five 1¼-inch eyepieces.
Type 4 holds four 2 inch and two 1¼ inch.
We are a Tele Vue Dealer and offer special packages on Piece Pods with sets of Tele Vue eyepieces. Call for more information.

The difference between Type 1 and 2 is that the Type 1 has two screw holes and a screw kit to permanently mount it to a stump, railing or other horizontal surface. The Type 2 comes with 3M Dual-Lock feet and matching Dual-Lock adhesive pads. Dual-Lock is a type of super Velcro that makes Piece Pods removable, but still very solidly attached. You do have to press them together to make them connect. The type 2 also has two holes on the side if you want to screw it into something, but care should be taken so that it is not somewhere where you can accidentally collide with it. It also mates with our brackets so that you can use them with almost any tripod.
All Piece Pods are constructed of 14 & 16 gauge stainless steel, nickel plated brass hinges, stainless steel screws and polycarbonate tube. They will stand up to almost any type of weather short of hurricanes and tornadoes.
Type 1-2 are 3.5 inches wide to accommodate standard 4-inch fence posts, and deck railings.

HTR Anti-Dew Shield

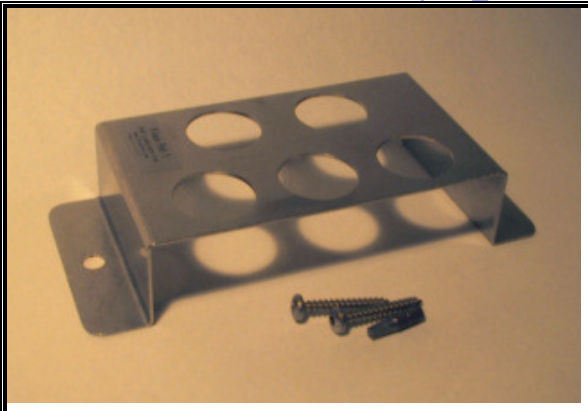
A big problem with eyepieces is dewing. Our solution to the problem is the HTR, a hinged stainless steel roof for the Piece Pods. The purpose of this is to slow down radiational cooling. With a stainless steel roof over your eyepieces, less radiation travels off into the cold darkness of space. If the roof is not enough help, a small low cost chemical heater can be held in place by a pair of O-rings to raise the temperature even higher. Care should be used in the placement of the Piece Pod if you are going to use the heaters, because if you are viewing directly over the HTR while it is hot, you may see the effects of thermal currents.
The standard eyepiece height of the HTR-1 is 3.1 inches, the HTR-4 is 4.5 inches. For a small additional fee the HTRs can be ordered in any height from 1 inch and up.

If you order a Piece Pod without the HTR and you decide you would like to add one later, that is not a problem as an HTR-1 and HRT-4 Kit is available to convert the non-HTR models to HTR models.

Light Post & Other Options

A battery powered red LED lighting system is also an option. It supplies just enough light to see your eyepieces. A special order option is also available that allows you to remove the HTR easily and leave the Piece Pod behind. Please call for details or if you have other special needs.

Piece Pod Eyepiece Holder for 1.25 inch Eye Pieces



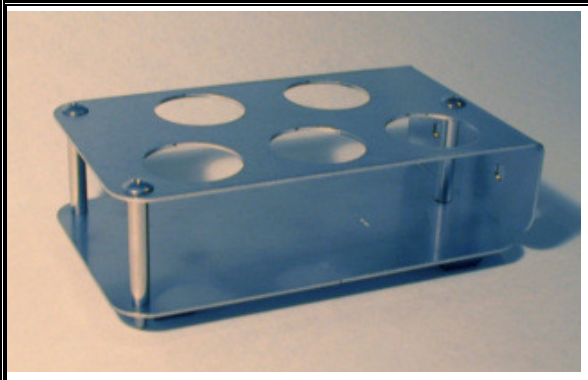
Piece Pod 1 Eyepiece Holder
Part Number EPP-1-s (brushed stainless) $19.95
Part Number EPP-1-b (black) not shown $22.95
Shipping weight 1 pound

Holds five 1-¼ inch eyepieces
for mounting to a horizontal surface.
Comes with security screw mounting kit

Optional HTR Kit

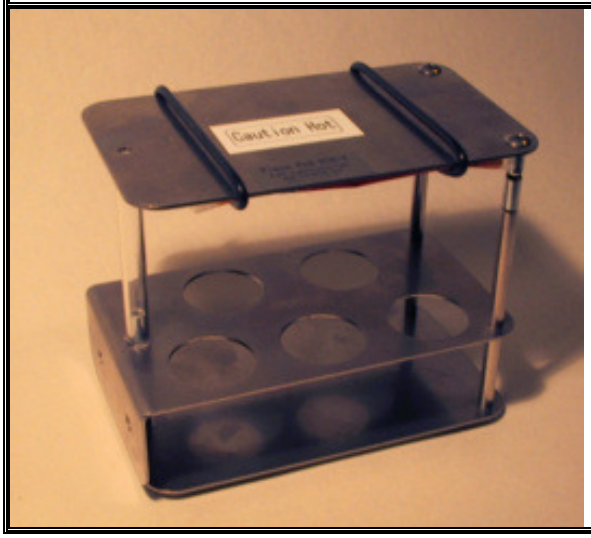
Piece Pod 1 with HTR Anti-Dew Shield
Part Number EPP-1-HTR- s (brushed stainless) $39.95
Part Number EPP-1-HTR- b (black) not shown $42.95
Shipping weight 2 pounds

Holds five 1-¼ inch eyepieces
for mounting to a horizontal surface.
Comes with security screw mounting kit



Piece Pod 2 Eyepiece Holder
Part Number EPP-2- s (brushed stainless) $24.95
Part Number EPP-2- b (black) not shown $26.95
Shipping weight 2 pounds

Holds five 1-¼ inch eyepieces
for mounting to a horizontal surface.
Comes with Dual-Lock mounting kit
Optional HTR Kit

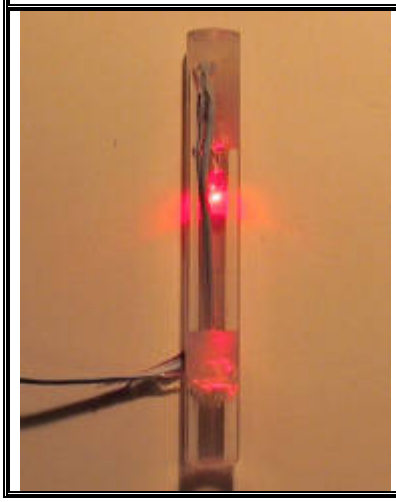


Piece Pod 2 with HTR Anti-Dew Shield
Part Number EPP-2-HTR-s (brushed stainless) $49.95
Part Number EPP-2-HTR-b (black) not shown $52.95
Shipping weight 2 pounds

Holds five 1-¼ " eyepieces
for mounting to a horizontal surface.
Comes with Dual-Lock mounting kit

HTR-1 Kit Anti-Dew Shield
Part Number HTR1-Kit $19.95
Shipping weight 1 pound

All the parts that you need to add an HTR to
Piece Pod Type 1, 2 or 3
Requires a small Philips screwdriver to assemble.



Light Post Red
Part Number LP-1 for Piece Pods Types 1-2 $8.95
Part Number LP-4 for Piece Pod Type 4 (not shown) $8.95
Shipping weight ½ pound

This Kit contains a replacement Post for HTR type Eye Piece Pods. It contains a 3 volt red LED for connecting to a BB-2AA battery pack, or other 3 volt power source.

Pods also available in powder coat black finish

Piece Pods for 2 inch & 1.25 inch Eye Pieces

Piece Pod 4
Part Number EPB-4-s (brushed stainless) $32.95
Part Number EPB-4-b (black) not shown $34.95
Shipping weight 2 pounds

Eyepiece holder for 4 large (2 inch) and two small (1 ¼ inch) eyepieces.
Can be bolted down, Dual-Locked or use a Uni-Bracket or tripod bracket. Black available, but not shown.
If you order more than one, it comes with the screws for attached them.

Piece Pod 4 with HTR Anti-Dew Shield
Part Number EPB4-HTR-s (brushed stainless) $57.95
Part Number EPB4-HTR-b (black) not shown $59.95
Shipping weight 3 pounds

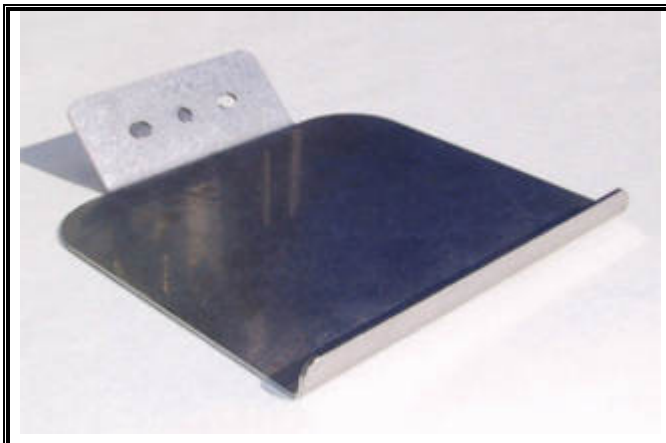
Eyepiece holder for 4 large (2 inch) and two small (1 ¼ inch) eyepieces. Includes hinged anti-dew roof.
Can be bolted down, Dual-Locked or use a Uni-Bracket or tripod bracket. Black available, but not shown.

HTR-4 Kit Anti-Dew Shield
Part Number HTR4-Kit $22.95
Shipping weight 1 pound

All the parts that you need to add an HTR to a Piece Pod Type 4

Requires a small Philips screw drive to assemble

Brackets for Connecting Piece Pods & Trays



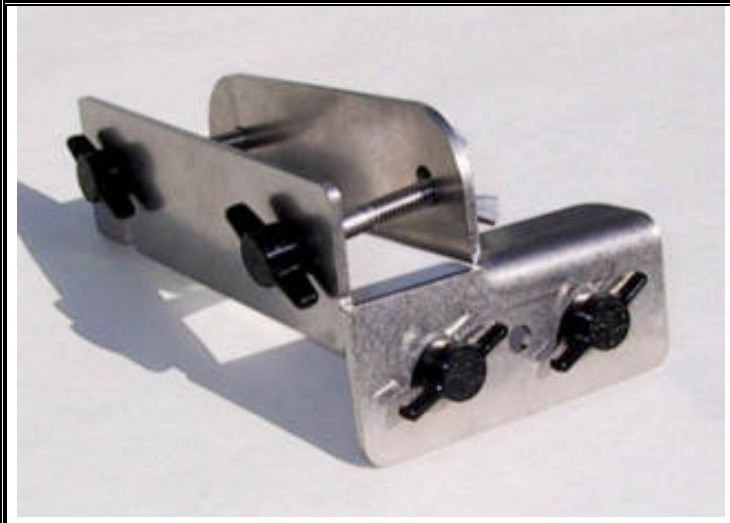
Dyna Tray (Computer Tray)
Part Number EPB-Tray64-s (brushed stainless) $20.95
Part Number EPB-Tray64-b (black) not shown $22.95
Shipping weight 1 pound

With the use of a Tripod Bracket or Uni Bracket, it will hold a small computer, such as the NGC-Max or Advanced Astro Master. 6" wide x 5.25" long. Has room for cables and connectors.
Can also fit on a Gibraltar Mount.

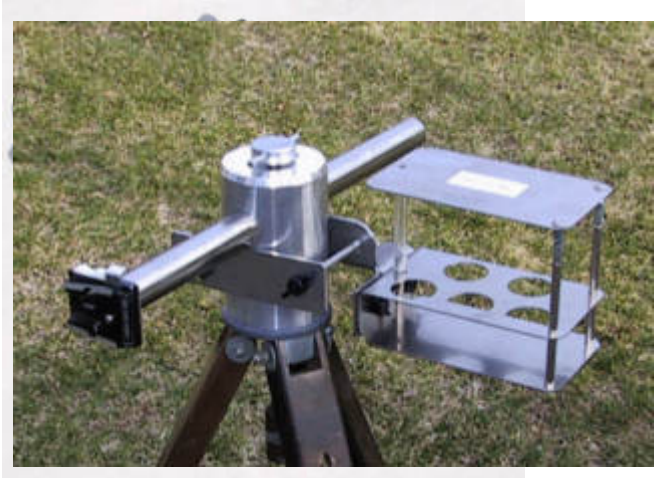
Tripod Bracket
Part Number EPB-TB-s (brushed stainless) $17.95
Part Number EPB-TB-s (black) not shown $19.95
Shipping weight 1 pound

Fits between a tripod and a head to hold a Piece Pod or Dyna Tray

Comes with two ¼-20 stainless wing bolts and nuts
For attaching a Eye Piece Pod or computer tray



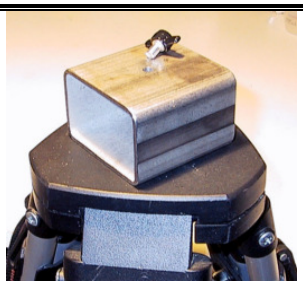
Uni-Bracket
Part Number EPB-UB1-s (brushed stainless) $29.95
Part Number EPB-UB1-b (black) not shown $32.95
Shipping weight 2 pound
The Uni-Bracket is the Swiss Army Knife of mounting. It will mount onto a round or square tube up to 1.6" in diameter. It is for holding a Piece Pod or a Computer Tray. Fits Uni-Mounts and almost anything that is between 0.55" and 1.6"
Quick removal, by loosening only one screw
Comes with four ¼-20 stainless wing bolts and nuts.
You can also use it to mount a camera or second instrument to a mount. With two you can make a small strong tripod.



Uni-Bracket Long Screw Version
Same as the Uni-Bracket, but with longer screws

Part Number EPB-UB2-s (See above) $32.95
Part Number EPB-UB2-b (Black, not shown) $35.95
Shipping weight 2 pound

Same as above, but a set of 4" long stainless wing bolts will enable the Uni-Bracket attach to a diameter between 2.65"-3.55". Large enough for a GIRO or other object.



Surveyor Pod (Surveyor Tripod adaptor)
Part Number MP5 $44.95
Shipping weight 2 pounds
A stainless steel cube, nut and wing bolt that will convert a Surveyor's tripod with a 5/8-11 bolt to ¼ -20. 3"x3" Top mount area. Can also be used with a mounting plate for other scopes.

Uni-Bracket
What is it and why do I want one?

The Uni-bracket is the Swiss army knife of the field photographer / astronomer.

It is a multipurpose universal mounting bracket or orthogonal clamping system.
Each kit contains; The base Uni-Bracket, the locking bar, two long screws (either 4” or 2”), two short wing screws (3/8”) and four wing nuts. All parts are stainless steel. Slotted locking bar for quick installation and removal without having to take out a screw.

There are four models to choose from
The long or short (depending on length of screws) and either brushed Stainless or Black powder coated. The are made out of a high strength, rust- proof, anti-magnetic metal alloy 1/8 inch thick. Depending on how they are used they can hold up to many hundreds of pounds.

The difference between the short and long is the clamping range.
The short has a range of 0.55” to 1.61” or 1.4 cm. to 4.1 cm.
The long has a rang e of 2.65” to 3.55” or 6.7 cm. to 9 cm.
We also make any size you want.

Here are some uses for a Uni Bracket. If you can think of more, let us know.
1, Connect a Eye Piece Pod to a Unistar mount.
2. Connect a Dyna Tray to a Unistar mount.
3, Connect a Eye Piece Pod to a GIRO mount.
4. Connect a Dyna Tray to a GIRO mount.
5, Connect a Eye Piece Pod to leg of a tripod.
6. Connect a Dyna Tray to a leg of a tripod.
7. With a Dynapod Tripod bracket add another camera to a tripod
8. Add a camera to a GIRO
9. Add a camera to the counter weight bar of a German Equatorial Mount
10. As an emergency battery cable clamp
11. Nut cracker
12. Fence mount
13. Hammer
14. Back scratcher
15. Ice scraperhttp://news.bbc.co.uk/1/hi/sci/tech/6466129.stm
16. Fix a broken tripod or tent pole

Uses for Two Uni-Brackets
1. Connect almost anything to anything else at almost any angle
2. Make a small tabletop camera tripod
3. Make a small tabletop tripod with legs
4. Two locking bars make a scissor.

Dyna Piers, Pre-Assembled Steel Piers

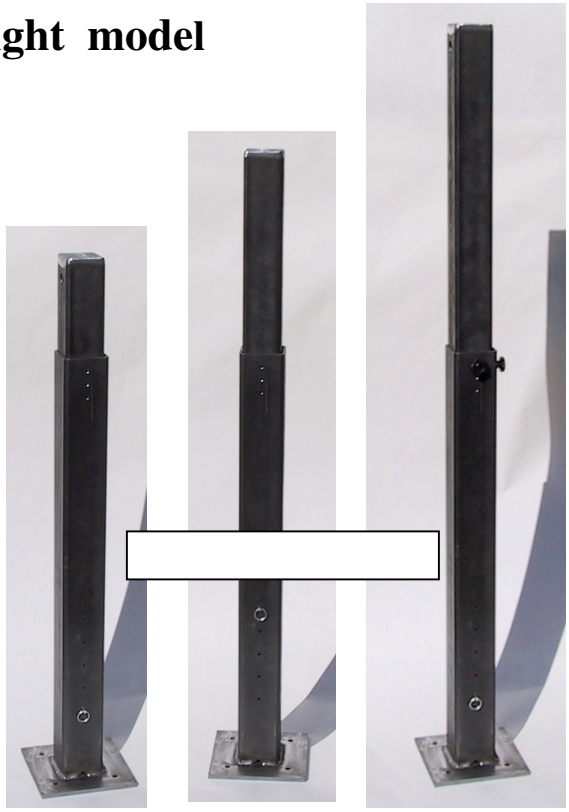
Nothing compares to having you own fixed pier. We make custom piers, sell kits to make piers, and Pre-made standard models.

We also have adapter plates to fit your telescope to our piers

Made from ¼ inch thick, 3.5 inch Square Steel, using CAD / CNC.

Powder coated Black is standard. Custom models and colors available for a nominal charge.

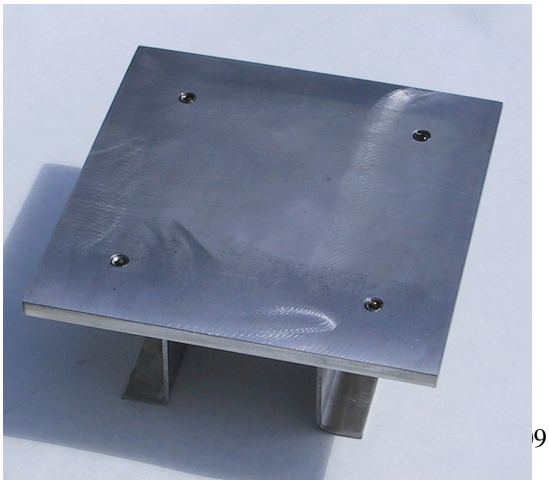
There is a basic fixed height model

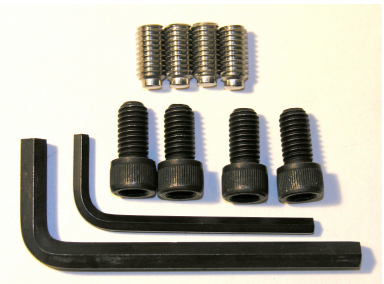


There is an adjustable height model

And there is a model made at a right angle. This one if for people in wheel chairs or for people who just like observing when sitting.

If you don't have a place to for a permanent pier, we have a special stainless steel quick mounting plate. Once the plate in installed, it takes just moments to bolt the pier into place. You can make a parking lot into a handicapped observing site in just a few minutes.





Dyna Piers (Pre-made Steel Piers)

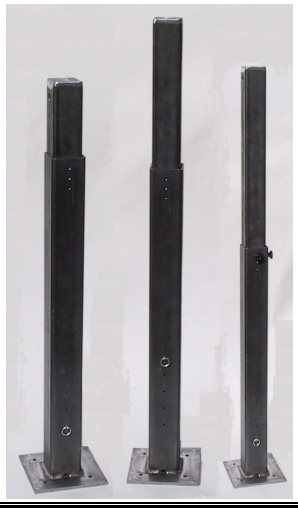
Fully Assembled Quick Mounting Steel Piers

Dyna Pier 1300
Part Number **DP-1300 $349.95**

Fully assembled steel pier. Quick mates to Floor plate (DP-Floor) or can be bolted to other surfaces. ¼-20 hole in top, but can be special ordered with any size hole. Any ¼-20 Mount, such as our Dyna Cradle will fit on top. With the use of the mounting plate MP4 (ETX), you can mount any of the ETX scopes on it, or with the MP-1 mounting plate, it will fit LX-10, LX-200 or C5i or C8i. Predrilled and capped one inch holes at top and bottom for internally routing cables.
Finish: textured Black Powder coated finish. Includes four bolts, washers and wrench.
Height: 51.5” or 1300mm Weight: 42 pounds (19kg.)

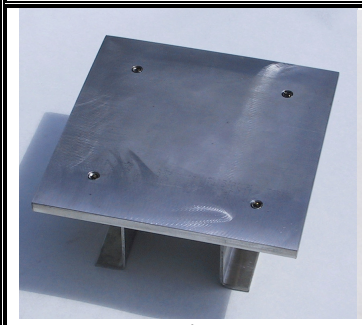
Low Medium And High Positions

Scale varies to Fit image on page

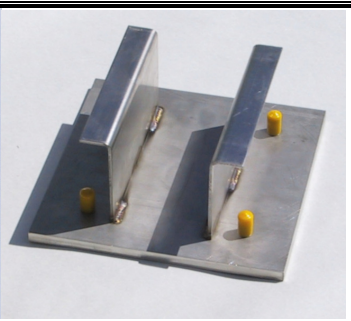


Dyna Pier Adjustable Height
Part Number **DP-Adjust $499.95**

Fully assembled steel pier. Quick mates to Floor plate (DP-Floor) or can be bolted to other surfaces. ¼-20 hole in top, but can be special ordered with any size hole. Any ¼-20 Mount, such as our Dyna Cradle will fit on top. With the use of the mounting plate MP4 (ETX), you can mount any of the ETX scopes on it, or with the MP-1 mounting plate, it will fit LX-10, LX-200 or C5i or C8i. Predrilled and capped one inch holes at top and bottom for internally routing cables.
Finish: textured Black Powder coated finish. Includes four bolts, washers and wrench.
Height Adjustable from 36” to 66” Weight: 49 Pounds (22kg.)



Top View



Bottom View

Dyna Pier Floor Plate
Part Number **DP-Floor $88.95**

This is the flush mounting base for the Dyna Piers

A 8 inch x 8 inch stainless steel plate that you set flush into concrete. The Dyna Piers attaches quickly with only four bolts, allowing quick re-alignment and removal when not in use. Supplied with a kit of flush mounting stainless screws to keep the holes from filling with ice and debris when not in use. Weight: 8 pounds **(3.6 kg.)**

Dyna Pier Angle Arm
Part Number **DP-Angle $349.95**

Fully assembled steel pier. Quick mates to Floor plate (DP-Floor) or can be bolted to other surfaces. ¼-20 hole in top, but can be special ordered with any size hole. Any ¼-20 Mount, such as our Dyna Cradle will fit on top. With the use of the mounting plate MP4 (ETX), you can mount any of the ETX scopes on it, or with the MP-1 mounting plate, it will fit LX-10, LX-200 or C5i or C8i. Predrilled and capped one inch holes at top and bottom for internally routing cables.
Finish: textured Black Powder coated finish. Includes four bolts, washers and wrench. Balanced for one person installation.
Height under arm 31” (to accommodate wheel chairs) Height at mounting point 34.5” Arm is 19”
Weight 41 Pounds (19kg.)

Dyna Rails and Post Pods

The Dyna Rails and Post Pods are families of All-Weather-Quick-Mounts
They enable you to convert a stationary object into a wooden or concrete pier.

Models

The difference between a Dyna Rail and a Post Pod is that the **Dyna Rail** is designed for a horizontal surface such as a deck railing or table, and the **Post Pod 90's** are designed for mounting to a standard 4-inch post or setting into concrete. The **Post Pod 150's** are for 6" posts. There is also the Quad Brach 150 model that offers very precise leveling and fits many more models of scopes.
In each group there are different types;
The standard model has a 1/4-20 stud. This size is the standard for photographic, video and many other types of small head units. A good example of a head is our Dyna Cradle DC-100 or the Universal Astronomic's Telescope and Binocular Mounts.
The ETX units are designed to hold the Meade ETX family of telescope (ETX-60 to ETX-125). They come with a pair of t-screws to attach the telescope quickly to the pod. The great advantage of using a Pod over a tripod is that you can take advantage of the "Park" mode and save yourself the trouble of going through the alignment process every time you set up the telescope. Attaching two screws is faster than setting up a tripod.
The next type is the N model for the smaller Celestron NexStar telescopes that have a center 1/4-20 threaded hole. The kit comes with a 1/4-20-wing screw to hold it down.
They can also be used for anything you can hold down with a 1/4-20-wing bolt, such as a camera.
They are also available with a 3/8-16 stud on special order.
We will also make custom pods; if enough interest is generated in other models we will bring them out as a standard products.

Construction

The Pods are constructed of 11-gauge stainless steel (1/8 inch thick), and stainless steel screws. A high strength and rustproof alloy. They will stand up to almost any type of weather short of hurricanes and tornadoes.
The installation screws for holding down the Pods have a special head that requires a special bit to install or remove. **Each kit comes with one of these bits and six screws**. This is for your protection. If you install a Pod out in the wild somewhere, someone else cannot easily remove it and take it home.
Any 1/4" hex drive bit holder with take the bit.
The **Post Pod 90's** are 3.5 inches wide; to accommodate standard 4 inch fence posts. Yes, a 4 inch fence post actually measures 3.5 inches. They can also be set in a concrete tube form to make a pier. **Post Pod 150** fit 6" post. Some 6" posts are only 5 ½", you will need to use a shim for these.
The height inside of the Pod is 3.5 inches, to allow you to reach under it to adjust the mounting screws.

Polar alignment

The Post Pods can be mounted at almost any angle. By aligning the post North/South and tilting the Pod to your latitude, you can polar align your system and do not need a wedge. See web site for more information.
The same thing can be achieved with a Dyna Rail, if you are mounting it to a stump. Just cut the stump off to North/South and to the angle you need. Make sure you are using Celestial North and not Magnetic North. In most locations there can be a significant difference between them, and you will need to find out what Isogonic line you are setting up on.

Sample Installation Instructions:

Cautions-

- When installing a post make sure that the location will not be in anyone's way
- Always use eye protection (goggles) when using tools.

Installation

- Pick your location. Care should be taken, that the location will not be in someone's way or cause a hazard.
- Measure the size of your post. The Post Pod 150 has an inside dimension of 6.0" (152mm.) The Post Pod 90 is 3.5" (90mm.)
- Position the Dyna Pod
- If the post is too small, you will need to prepare one or two spacer shims to fill the void. It is a good idea to mark and pre-drill matching holes in the shims. Make sure to use a material that will withstand your climate.
- If your post is too large, you will need to trim it down in size.
- Position the Pod on the post and double check height and placement. Remember to leave 3.5" between the top of the post and the top of the Pod, so you can get your hand in to install the scope mounting screws.
- Level the Dyna Pod before putting in the screws. A washer kit is available for uneven surfaces.
- If you are going to Polar Align, you will need to know True North and Latitude of your location.
- Mark screw holes. (One of the screws for securing the Pod to the post or railing)
- When installing the screws, drill a slightly oversized pilot hole to avoid breakage in hardwoods such as white oak, teak and maple or in other finished materials such as a deck railing. For softwoods use a 5/32 bit, for hardwoods use a 9/64 drill bit.
- You will need a 1/4 inch hex driver tool to hold the special bit. Do not over tighten the screws when installing them. It is possible to either break the screw or distort the Pod. Insert the middle screws first; the other holes are slotted to allow for fine adjustment of the latitude. You can change the latitude value by five degrees without drilling new holes.

Maintenance

- No routine maintenance, other than cleaning.
- You should never need to paint your Dyna Rail. Brushed stainless, needs only cleaning, and the black powder coating is designed for outdoor use.
- If you do want to paint your Pod to match your local, remember to mask of the stud first and follow the directions for the paint you are going to use.

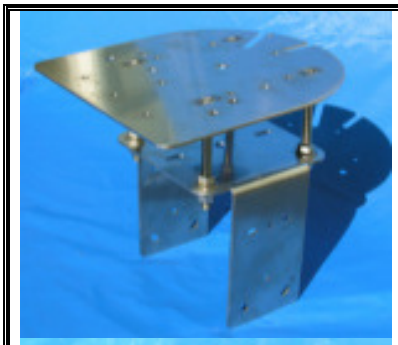
Removal

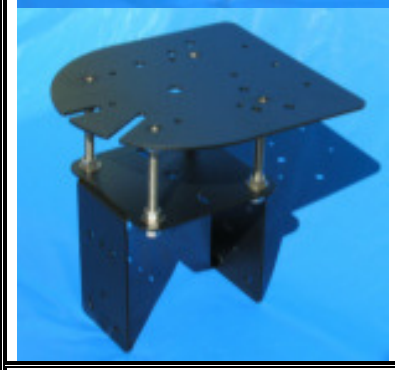
- Save the special bit, If you ever have to remove the pod, you will need the bit and a driver.
- Just remove the screws and it will come off.

Normal Mounting

Polar Alignment

Post Pods (for making Piers, using Posts)





Quad Brach 150

Part Number QB-150 $149.95
Part Number QB-150-B (Black) $154.95
Shipping weight 8 pounds

For mounting to a vertical 6" post or can also be set in a concrete tube form to make a pier.

Combination of a Post Pod 150 and a MP1 Mounting Plate.
This plate attached to the Pod by 4 Stainless Studs, enabling precise leveling and has holes for mounting a LX-10, LX-200 or C5i or C8i.
Other telescopes may fit the holes, call for more information.
Available in Black Powder Coat finish or brushed Stainless.

Post Pod 90

Part Number PP-1 $49.95
Part Number PP-1-b $52.95

For mounting to a vertical 4" post or can also be set in a concrete tube form to make a pier.

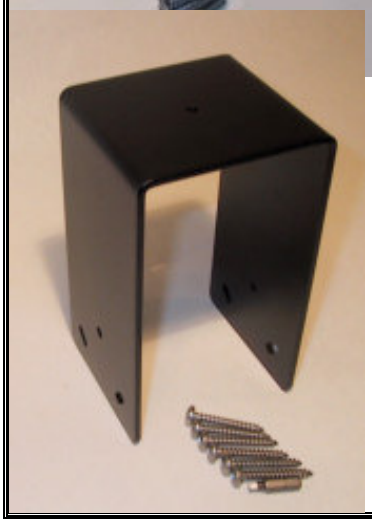
with 1/4-20 standard photographic stud
Comes with security screw mounting kit

Post Pod 90 N

Part Number PP-N-s (brushed stainless) $49.95
Part Number PP-N-b (black) not shown $52.95

For mounting to a vertical 4" post or can also be set in a concrete tube form to make a pier.

Includes stainless wing bolt to hold the smaller Celestron NexStars, Questar, cameras and other standard mounts or anything you would mount with a 1/4-20 wing bolt

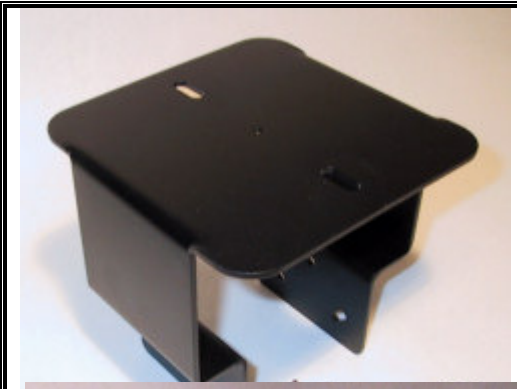


Post Pod 90 N-0.5

Part Number PP-N0.5 $49.95
Part Number PP-N0.5-b $52.95

Same as Post Pod N (above) but with a larger hole (1/2”) for heads that use a single large bolt to hold them down

For mounting to a vertical 4" post or can also be set in a concrete tube form to make a pier.



Post Pod 90 ETX

Part Number PP-ETX $59.95
Part Number PP-ETX-b $62.95

For mounting an ETX to a vertical 4" post or can also be set in a concrete tube form to make a pier.

Comes with security screw mounting kit and two stainless wing screws. Fits the entire ETX family from the 60 all the way to the 125

Post Pod 150

Part Number PP-150-s (brushed stainless) $53.95
Part Number PP-150-b (black) not shown $56.95

For mounting to a vertical 6" post or can also be set in a concrete tube form to make a pier.

Comes with security screws, bits and a ¼ -20 stud (standard photo/video size)

Post Pod 150 ETX

Part Number PP-150-ETX-s (brushed stainless) $53.95
Part Number PP-150-ETX-b (black) not shown $56.95

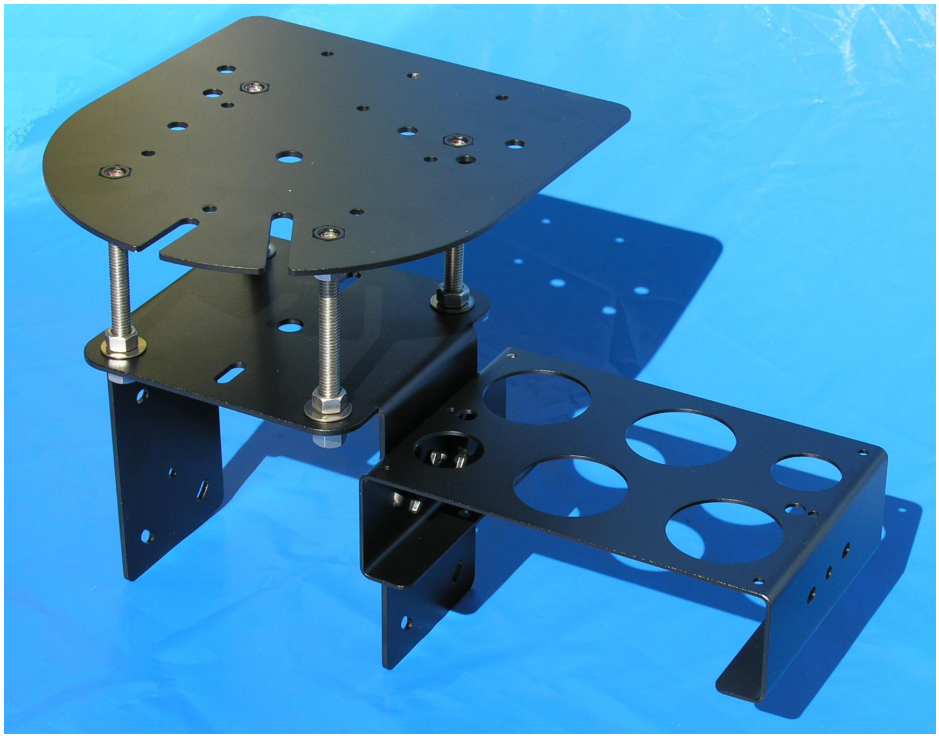
For mounting any of the ETX family (60 to 125) to a vertical 6" post or can also be set in a concrete tube form to make a pier.

Comes with security screws, bits and two ¼-20 stainless wing screws

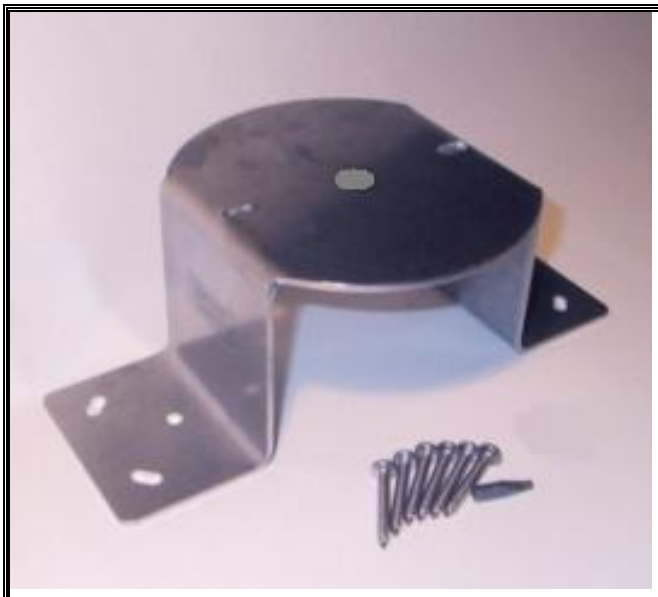
Post Pod 150 N and 150 N0.5

Part Number PP-150-N-s (brushed stainless) $53.95
Part Number PP-150-N-b (black) not shown $56.95
Part Number PP-150-N0.5-s (brushed stainless) not shown $53.95
Part Number PP-150-N0.5-b (black) not shown not shown $56.95

For mounting to a vertical 6" post or can also be set in a concrete tube form to make a pier.
Comes with security screws, bits and a ¼-20 stainless wing screw. To hold the smaller Celestron NexStars, Questar or anything you would mount with a ¼-20 bolt. The N0.5 has a ½" Hole for larger mounts.

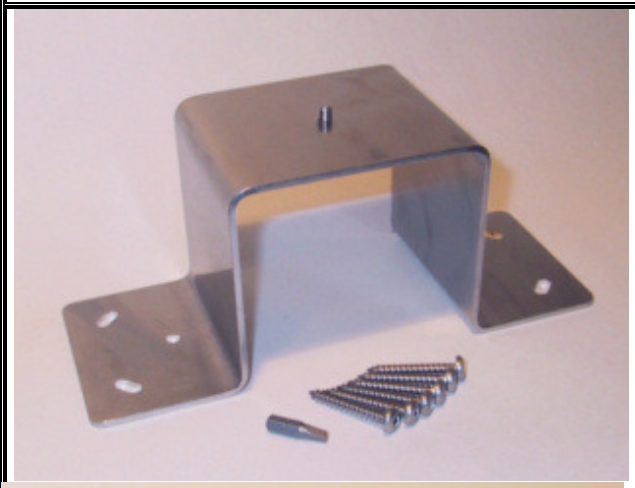


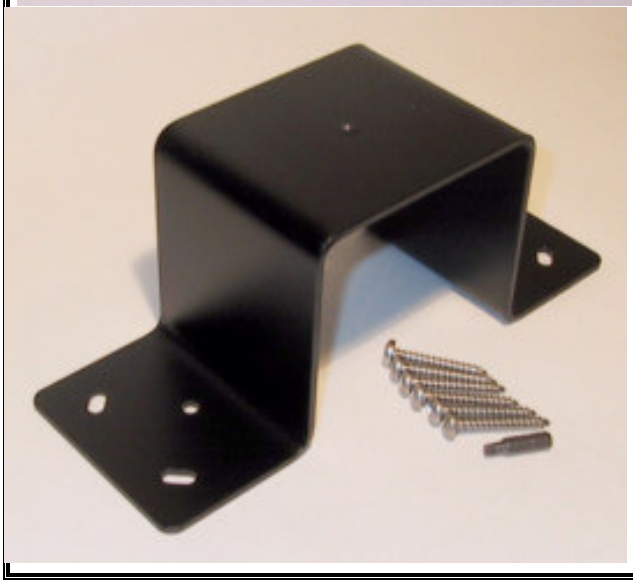
Dyna Rails (Mounts for Flat Surfaces)



Dyna Rail N & Dyna Rail N-0.5
Part Number SP-N-s (brushed stainless) $49.95
Part Number SP-N-b (black) not shown $52.95

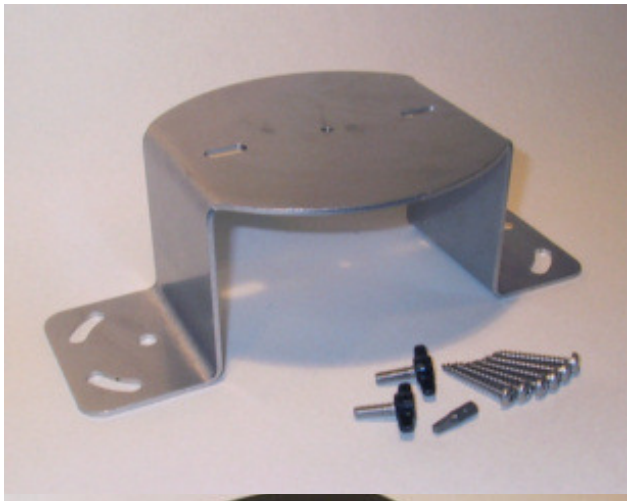
For mounting to a horizontal surface
Comes with security screw mounting kit and a 1/4-20 stainless wing bolt to hold the smaller Celestron NexStars, Questar or anything you would mount with a 1/4-20 wing bolt, such as a photographic head.

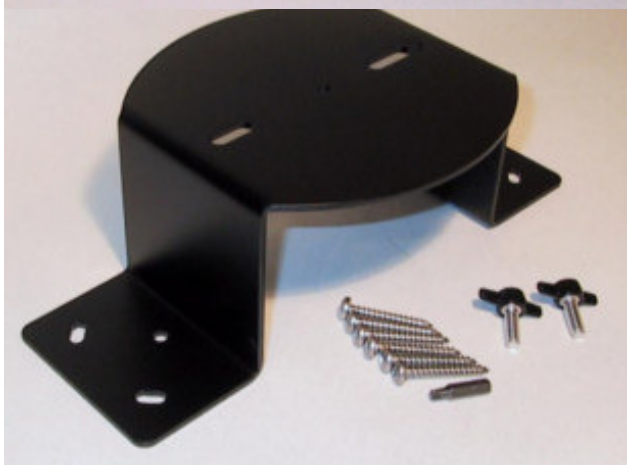




Dyna Rail S
Part Number SP-S $49.95
Part Number SP-S-b $52.95

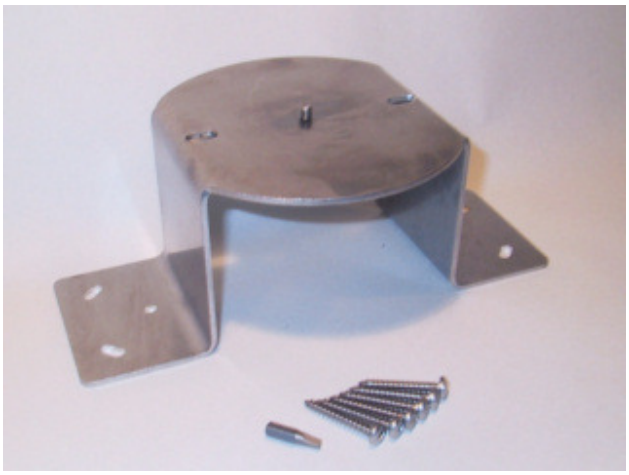
For mounting to a horizontal surface
with 1/4-20 standard photographic stud
Comes with stainless steel security screw mounting kit
(6 screws and special bit)





Dyna Rail ETX
Part Number SP-ETX-S $60.95
Part Number SP-ETX-b $63.95

For mounting to a horizontal surface
Comes with stainless steel security screw mounting kit and two stainless wing screws for holding Meade ETX-60 to ETX-125 family of telescopes



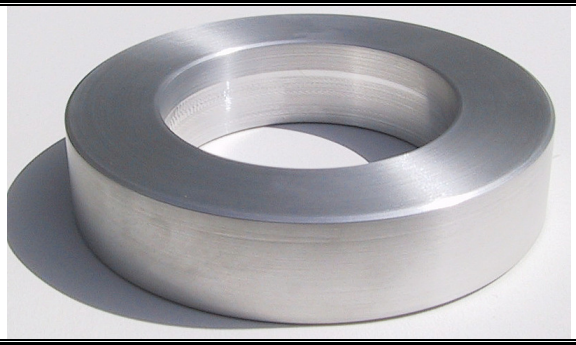
Dyna Rail R
Part Number SP-R-s (brushed stainless) $45.95
Part Number SP-R-b (black) not shown $48.95

For mounting to a horizontal surface
with 1/4-20 standard photographic stud
Comes with security screw mounting kit

Adaptors

Washer Kit
Part Number **SP-W $1.95**
Shipping weight ½ pound

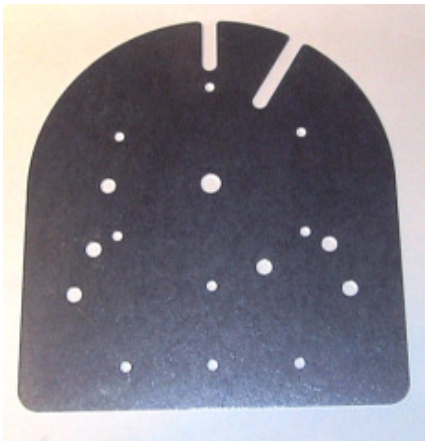
Bag of nine (9) 1" Stainless Steel fender washers. This is for leveling your pod on uneven surfaces. Each washer is approximately 0.0464 inches thick.



GEM Stabilizing Ring

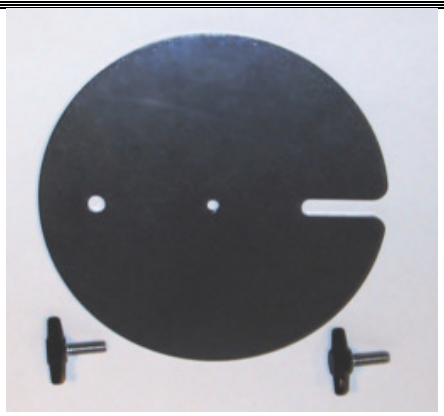
Part Number **GSR-1 $49.95**
Shipping weight 2 pounds
This ring adds stability needed by some equatorial mounts like the LXD55. Machined from solid Aluminum

Optional alignment pin available



Mounting Plate 1 LX
Part Number **MP1 $35.95**
Part Number **MP1-b (black) $37.95**
Shipping weight 3 pounds

This plate fits on a type N0.5 Post Pod, Dyna Pier or Dyna Rail, and has holes for mounting a LX-10, LX-200 or C5i or C8i.
Other telescopes may fit the holes, call to information.
See also the Quad-Brachs



Mounting Plate 4 ETX

Part Number **MP4 $36.95**
Shipping weight 2 pounds

This plate fits on a ¼-20 tripod, Post Pod, Dyna Pier, or Dyna Rail, and has holes for mounting a Any of the Meade ETX family. 1/8" thick stainless steel Black powder coat or Brushed SS. Includes Mounting screws.

Mounting Plate 6, The really Big Washer
Part Number **MP5 $9.95**

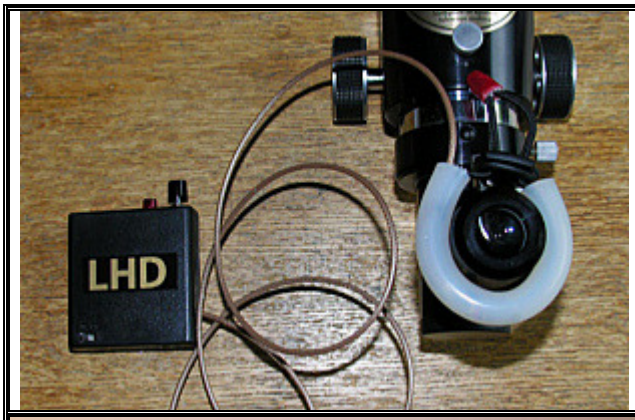
A 5" diameter stainless steel disk, 1/8" thick. Used for adding strength to deck rails to mount the Dyna Cradle or other uses.

	Mounting Plates 2 & 3 Part Number **MP2 $15.00 , MP3 $18.00** These are blank 5/16” steel plates. We use these for making steel piers. MP2 is 12.44” in diameter and weights 10.85 pounds, and is used as a top plate, MP3 is 13.75” in diameter and weights 13.25 pounds, and is used as a bottom plate. Use them any way you want, or call us if you want them welded to a length of pipe cut to your specifications. They also make great pizza baking pans. *That is a 12” ruler at the bottom*
	Dyna Cradle Handle **DC-Handle**
	Dual Lock Fastener Kit **8 Squares $3.99**

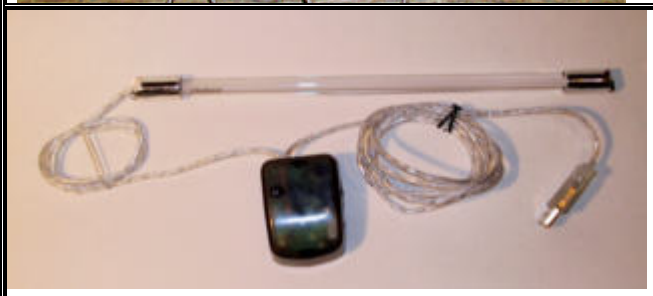
Set up a class in minutes

Lighting Products

We build custom lighting systems out of LEDs. Please call to discuss your needs. We also carry a line a standard LED lighting products that will work in a large number of applications.

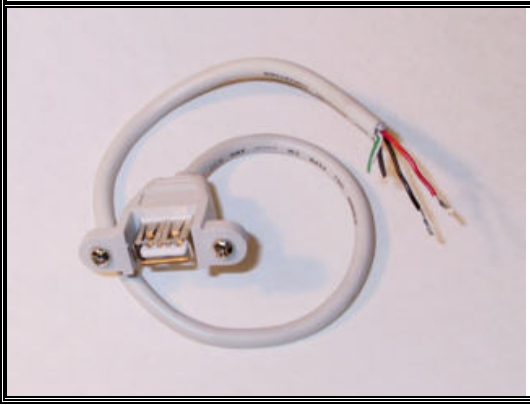


Look Here Device
Part Number LHD-1 for regular eyepieces $25.95
LHD-2 for Nagler Size eyepieces $25.95
Includes free shipping (US only)
Shipping weight 1 pound
The LHD is designed for use at star parties. The ring part fits over your eyepiece, and by pressing the button on the control box, you can illuminate the ring, so people can find where to look. Uses 2 AA batteries (included)



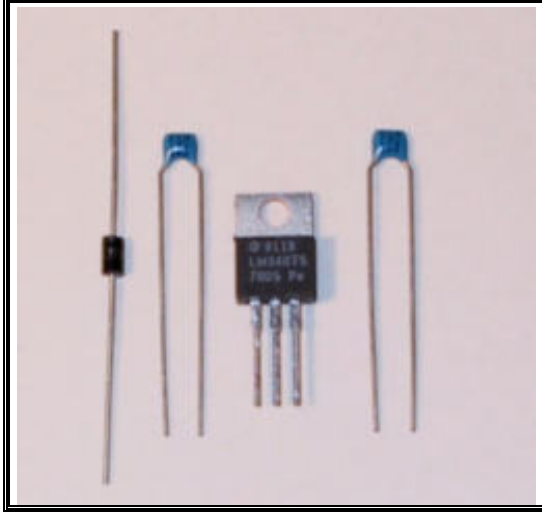
Light Bar 1 Multicolor
Part Number LB-1M $15.95
Shipping weight 2 pounds
LED light bar that is color programmable, **RED**, green, blue, violet or white. Comes with adhesive mounting pads. Power is by USB connector 5-6 volts DC. See USB Kit for connecting a BB-4 battery pack.

Light Bar 2 Multicolor
Part Number LB-2-M $15.95
Shipping weight 2 pounds
Dual LED light bars that are color programmable, Red, green, blue, violet or white. Comes with adhesive mounting pads and two swivel mounting clips. Power is by USB connector 5-6 volts DC. See USB Kit for BB-4 connecting a battery box.



USB Power Cable
Part Number **USB-LB $2.95**
Shipping weight 1 pound
For connecting our USB powered light bars to a power source of 5 to 6 volts DC, such as the BB-4 Battery Box

	Battery Box (4) AA Part Number **BB-4 $3.99** Shipping weight 1 pound Battery Box to hold 4 AA batteries with switch. For use with Light Bars. 6 volts DC Includes Velcro Mounting dots. Batteries not included. Not weather proof
	Battery Box (2) AA Part Number **BB-2 $2.99** Shipping weight 1 pound Battery Box to hold 2 AA batteries with switch. For use with Light Posts. 3 volts DC Includes Velcro Mounting dots. Batteries not included. Not weather proof
	USB power supply Part Number **USB-3AAA $7.95** Shipping weight 1 pound Battery Box for 3 AAA batteries. Has a standard USB connector, mounting clip and on/off switch. Batteries not included.



7805 Voltage regulator Kit
Part Number **7805K $2.99**

A kit of parts for building a voltage converter that converts 8 - 24 volts DC to 5 volts (up to 1 amp with a heat sink) to run light bars or other equipment. Other voltages are available on request. Kit contains voltage regulator, two capacitors, a diode and an instruction sheet with assembly diagrams and images.

Laser Products

Red Laser Pointer
Part Number **LP-R1 $9.99**

We like this laser pointer, because its ease of disassembly and it uses cheap batteries.
It also balances well in your hand.
The laser module simply unscrews for easy use is or, as you can see in the picture, you can push the diode assembly out and easily solder leads to it.

Two AAA batteries and plastic case are included.

Green Laser Pointer
Part Number **LP-G1** $59.95

Color Silver
Uses Sony 5 mw. Diode assembly

Two AAA batteries and case are included.

Flash Astronomy is Fun
Ask us about it
www.FlashAstronomy.com

Power Systems and Components

Inverter
Part Number **INV-1 $39.95**
Shipping weight 4 pounds
Converts 12volts DC into 120Volts AC to run your AC powered accessories.

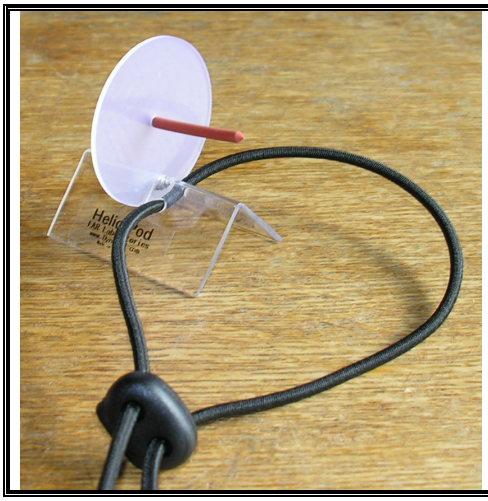
So you are sitting in the middle of a nice dark field and you have nowhere to plug in your AC powered clock drive. You need an inverter. This one will run your clock drive, the AC charger for your notebook computer and a few other small items.
It will not run your coffee pot or hair dryer, but it is easy to carry with you. It supplies about 140 watts
It weights just over a pound (480 g.) and is only 1.6x 2.6x 5.5 inches (4.2x6.6x13.8 cm.)
It plugs into a cigarette lighter jack in your vehicle. You can either use a long extension cord or a 12v battery. The 12 volt gel cell that we carry and this inverter, fit nicely in a old lunch box, along with your coffee thermos still in it and will run most clock drives all night long. Typical synchronous motors uses less than 10 watts. A 12 volt 7 amp hour battery will give you 84 watt hours or about 8 hours of drive time.

Batteries
We stock all sorts of batteries and build special battery packs to your specifications.

Wiring and Harnesses

We build custom cables for your projects

Other Interesting Products



Helio Pod 1

Part Number **HP-1 $9.95**

A simple sun finder for Solar Telescopes. Quickly attaches to Scopes up to 10” in diameter, by use of a bungee cord and cord lock.

Pointing accuracy is 1 degree or about two solar diameters.

Helio Pod 2 and 2B

Part Number **HP-2** **$12.50**
Part Number **HP-2B** **$12.95**

A simple sun finder for Solar Telescopes. Quickly attaches to Scopes up to 10" in diameter, by use of a bungee cord and cord lock. The B model is for scopes up to 16"

It has a baseline more than 2x of the HP-1
Pointing accuracy is 0.5 degree or about half a solar diameter.

HOT PRODUCT 2008
SKY & TELESCOPE

Eclipse Red Illuminated Keyboard
Part Number **Redkey** **$Discontinue- see new models**

Keyboard USB internally illuminated with Red & Blue LEDs
Designed to work with PC's,(Windows 98 SE or later) but will work 95% with Mac's
For use in Astronomy, night navigation, security or any other uses that require the use of a PC in the dark, and you need to preserve your dark adaptation, or just in dim illumination where it is hard to read the keyboard.

Weight 2 pounds, 5 ounces
Cord length 6 feet
Power consumption 1.5 watts

Digital Camera's

Many models of Digital Camera's. too many for this catalog, and prices and models change too often.
Either visit far.rite2u.com to see some models or call to discus your needs.

We carry, Canon, Nikon, Sony, Fuji, Epson, Kodak, Casio and others.

Nikon

Click here for Nikon Camera and accessory catalog

Or call us

Canon	**Click here for Canon Camera and accessory catalog** **Or call us**
TeleVue Visionary	**Click here for TeleVue Telescope and accessory catalog** **Or call us**
ORION TELESCOPES & BINOCULARS	**Click here for Orion Telescope and accessory catalog** **Or call us**
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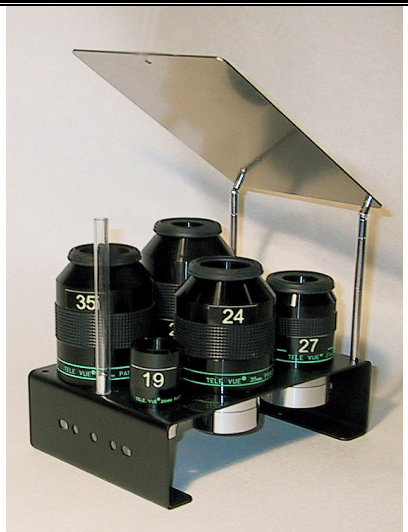	**Special Pricing on Sets** If you buy a Piece Pod Eyepiece holder and a set of eyepieces, you get special discount pricing. So design your dream set and call for discount price.

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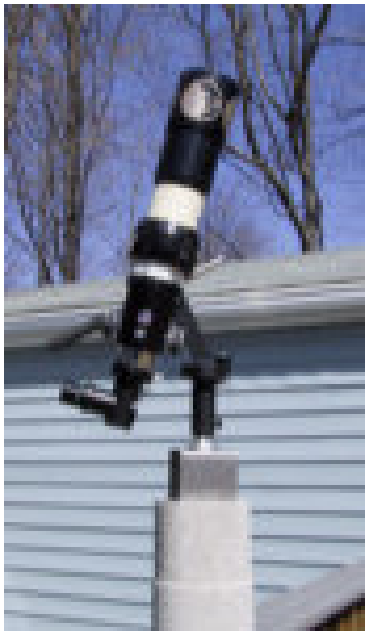

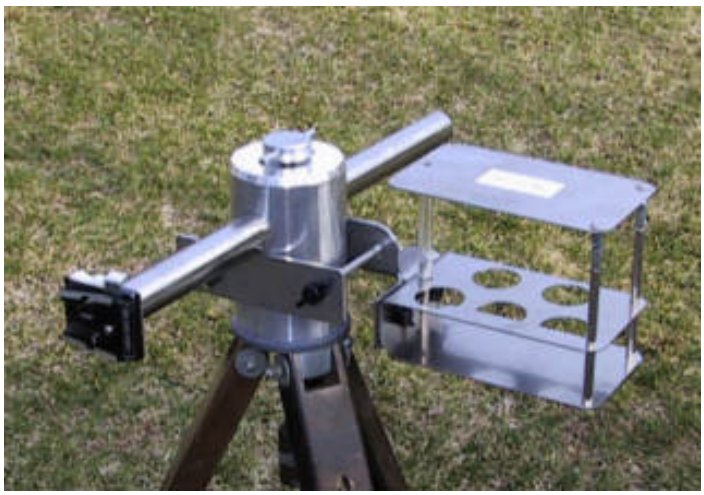

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